

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9076	((claimed:adj:hydroxylamine:adj:derivative) or (2-Amino-2-Ethoxy:adj:Ethanol):or:N-methyl-hydroxylamine or N,N-dimethyl-hydroxylamine or N-ethyl-hydroxylamine or N,N-diethyl-hydroxylamine or: methoxylamine or: ethoxylamine or N-methyl-methoxylamine or (methyl:adj:hydroxylamine) or (dimethyl:adj:hydroxylamine) or: (ethyl:adj:hydroxylamine) or (diethyl:adj:hydroxylamine) or: methoxylamine or: ethoxylamine or (methyl:adj:methoxylamine) or: methylhydroxylamine or: dimethylhydroxylamine or: ethylhydroxylamine or: diethylhydroxylamine or: methoxylamine or: ethoxylamine or: methylmethoxylamine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:41
L2	20907350	((claimed:adj:two-carbon:adj:atom:adj:linkage:adj:alkanolamine:adj:compounds) or DGA or 2-aminoethanol or monoethanolamine or MEA or 2-(N-methylamino)-ethanol or (monomethyl:adj:ethanolamine) or MMEA or 2-amino-1-propanol or monoisopropanolamine or MIPA or 2-(N-hydroxyethyl-amino)-ethanol or diethanolamine or tertiarybutyldiethanolamine or isopropanolamine or diisopropanolamine or 2-(2-aminoethoxy)-propanol or 1-hydroxy-2-aminobenzene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:41
L3	134782	((claimed:adj:corrosion:adj:inhibitor) or EDTA or (gallic:adj:acid) or catechol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:41
L4	656352	((alternative:adj:corrosion:adj:inhibitors) or dihydroxybenzenes or 1,2-dihydroxybenzene or 1,2-dihydroxy-4-tert-butylbenzene or (nitrate:adj:salts:adj:of:adj:ammonium) or (hydrocarbon-substituted:adj:ammonium:adj:nitrate:adj:salts) or benzotriazole or (2,4-pentandione:adj:dioxime) or (1,6-dioxaspiro[4,4]nonane:adj:2,7-dione:adj:(di-ether)) or thiourea or (ammonium:adj:bisulfite) or (choline:adj:bisulfite) or (bischoline:adj:bisulfite) or (trischoline:adj:bisulfite) or (choline:adj:hydroxide) or (bischoline:adj:hydroxide) or (trischoline:adj:hydroxide) or glycerol or sorbitol or gelatine or starch or (phosphoric:adj:acid) or (silicic:adj:acid) or (polyethylene:adj:oxide) or (polyethylene:adj:imine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:41
L5	279	L1 and L2 and L3 and L4 and: (semiconductor or photoresist or electronic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:41
L6	41	((("6110881") or ("5911835") or ("6319885") or ("5798323") or ("5968848") or ("6825156") or ("6777380") or ("5482566") or ("6372410") or ("5672577") or ("5334332") or ("5902780") or ("6242400") or ("6068000") or ("6000411") or ("6140287") or ("6492311") or ("6218087") or ("5792274") or ("5905063") or ("6367486") or ("6638899") or ("5795702") or ("6831048") or ("6638694") or ("6656895") or ("6268323") or ("6372050") or ("6828289") or ("6524376") or ("6413923") or ("6225034") or ("6291142") or ("6821352") or ("5612304") or ("6323169") or ("6677286") or ("6447563") or ("6030932") or ("6191086") or ("6276372"))).PN.	USPAT	OR	OFF	2005/06/22 12:44
L7	207	5 or: 6	USPAT	OR	OFF	2005/06/22 12:46
L8	77	7 not photographic	USPAT	OR	OFF	2005/06/22 12:47

L9	77	((("4591672") or ("4621043") or ("4716097") or ("4726877") or ("4753865") or ("4950613") or ("5015555") or ("5188863") or ("5288589") or ("5334332") or ("5405731") or ("5482566") or ("5607912") or ("5612304") or ("5672577") or ("5691362") or ("5696267") or ("5709756") or ("5789422") or ("5792274") or ("5795702") or ("5798323") or ("5811450") or ("5840725") or ("5861419") or ("5902780") or ("5905063") or ("5911835") or ("5968848") or ("6000411") or ("6020331") or ("6030932") or ("6034118") or ("6068000") or ("6077805") or ("6110881") or ("6140287") or ("6191086") or ("6218087") or ("6225034") or ("6228982") or ("6242400") or ("6245764") or ("6262042") or ("6268323") or ("6276372") or ("6291142") or ("6306987") or ("6319885") or ("6323169") or ("6358931") or ("6367486") or ("6372050") or ("6372410") or ("6407190") or ("6413923") or ("6440326") or ("6441017") or ("6447563") or ("6465554") or ("6492311") or ("6524376") or ("6586426") or ("6610663") or ("6620801") or ("6630508") or ("6638694") or ("6638899") or ("6656895") or ("6677286") or ("6699488") or ("6699869") or ("6777380") or ("6803353") or ("6821352") or ("6825156") or ("6828289"))).PN.	USPAT	OR	OFF	2005/06/22 12:47
L10	100	((("6110881") or ("5911835") or ("6319885") or ("5798323") or ("5968848") or ("6825156") or ("6777380") or ("5482566") or ("6372410") or ("5672577") or ("5334332") or ("5902780") or ("6242400") or ("6068000") or ("6000411") or ("6140287") or ("6492311") or ("6218087") or ("5792274") or ("5905063") or ("6367486") or ("6638899") or ("5795702") or ("6831048") or ("6638694") or ("6656895") or ("6268323") or ("6372050") or ("6828289") or ("6524376") or ("6413923") or ("6225034") or ("6291142") or ("6821352") or ("5612304") or ("6323169") or ("6677286") or ("6447563") or ("6030932") or ("6191086") or ("6276372") or ("6187730") or ("5665688") or ("5648324") or ("5709756") or ("6773873") or ("6554912") or ("6656894") or ("6221818") or ("5759973") or ("6033993") or ("6245155") or ("6764552") or ("5846695") or ("6627587") or ("6261745") or ("6103680") or ("6248704") or ("6585825") or ("6851432") or ("5981454") or ("6905556") or ("6156661") or ("6558879") or ("5563119") or ("5885362") or ("6475966") or ("6803353") or ("6818608") or ("6531436") or ("6723691") or ("6468913") or ("6228823") or ("6774097") or ("6140027") or ("5597678") or ("6908892") or ("6546939") or ("6194366") or ("5988186") or ("5998111") or ("5545353") or ("5780406") or ("5989353") or ("5466389") or ("5698503") or ("6566315") or ("5571447") or ("6716803") or ("6274300") or ("6797682") or ("6310019") or ("6423480") or ("6020113") or ("6479229") or ("6864044") or ("6180818") or ("6114570") or ("6284446") or ("6841526"))).PN.	USPAT	OR	OFF	2005/06/22 12:47
L11	135	9 or 10	USPAT	OR	OFF	2005/06/22 13:19
L12	171	"6110881" "6319885" "5911835" "5798323" "5968848" "6825156" "6777380" "6068000" "6372410" "5482566" "5334332" "6218087" "5672577" "6492311" "5902780" "6242400"	USPAT	OR	OFF	2005/06/22 13:19
L13	16	((("6110881") or ("6319885") or ("5911835") or ("5798323") or ("5968848") or ("6825156") or ("6777380") or ("6068000") or ("6372410") or ("5482566") or ("5334332") or ("6218087") or ("5672577") or ("6492311") or ("5902780") or ("6242400"))).PN.	USPAT	OR	OFF	2005/06/22 13:42
L14	11	13 and lee.in.	USPAT	OR	OFF	2005/06/22 13:43
S1	41	((("6110881") or ("5911835") or ("6319885") or ("5798323") or ("5968848") or ("6825156") or ("6777380") or ("5482566") or ("6372410") or ("5672577") or ("5334332") or ("5902780") or ("6242400") or ("6068000") or ("6000411") or ("6140287") or ("6492311") or ("6218087") or ("5792274") or ("5905063") or ("6367486") or ("6638899") or ("5795702") or ("6831048") or ("6638694") or ("6656895") or ("6268323") or ("6372050") or ("6828289") or ("6524376") or ("6413923") or ("6225034") or ("6291142") or ("6821352") or ("5612304") or ("6323169") or ("6677286") or ("6447563") or ("6030932") or ("6191086") or ("6276372"))).PN.	USPAT	OR	OFF	2005/06/22 12:41

S2	9076	((claimed adj hydroxylamine adj derivative) or (2-Amino-2-Ethoxy adj Ethanol) or N-methyl-hydroxylamine or N, N-dimethyl-hydroxylamine or N-ethyl-hydroxylamine or N, N-diethyl-hydroxylamine or methoxylamine or ethoxylamine or N-methyl-methoxylamine or (methyl adj hydroxylamine) or (dimethyl adj hydroxylamine) or (ethyl adj hydroxylamine) or (diethyl adj hydroxylamine) or methoxylamine or ethoxylamine or (methyl adj methoxylamine) or methylhydroxylamine or dimethylhydroxylamine or ethylhydroxylamine or diethylhydroxylamine or methoxylamine or ethoxylamine or methylmethoxylamine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 11:51
S3	20907350	((claimed adj two-carbon adj atom adj linkage adj alkanolamine adj compounds) or DGA or 2-aminoethanol or monoethanolamine or MEA or 2-(N-methylamino)-ethanol or (monomethyl adj ethanolamine) or MMEA or 2-amino-1-propanol or monoisopropanolamine or MIPA or 2-(N-hydroxyethyl-amino)-ethanol or diethanolamine or tertiarybutyldiethanolamine or isopropanolamine or diisopropanolamine or 2-(2-aminoethoxy)-propanol or 1-hydroxy-2-aminobenzene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 11:51
S4	134782	((claimed adj corrosion adj inhibitor) or EDTA or (gallic adj acid) or catechol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 11:51
S5	656352	((alternative adj corrosion adj inhibitors) or dihydroxybenzenes or 1,2-dihydroxybenzene or 1,2-dihydroxy-4-tert-butylbenzene or (nitrate adj salts adj of adj ammonium) or (hydrocarbon-substituted adj ammonium adj nitrate adj salts) or benzotriazole or (2,4-pentandione adj dioxime) or (1, 6-dioxaspiro[4,4]nonane adj 2,7-dione adj (di-ether)) or thiourea or (ammonium adj bisulfite) or (choline adj bisulfite) or (bischoline adj bisulfite) or (trischoline adj bisulfite) or (choline adj hydroxide) or (bischoline adj hydroxide) or (trischoline adj hydroxide) or glycerol or sorbitol or gelatine or starch or (phosphoric adj acid) or (silicic adj acid) or (polyethylene adj oxide) or (polyethylene adj imine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 11:51
S6	13830	((claimed adj HF-base adj salts) or (ammonium adj fluoride) or (diisopropylethylammonium adj fluoride) or (ammonium adj bifluoride) or (pyridinium adj fluoride) or (diisopropylethylammonium adj fluoride) or (ammonium adj fluoride) or (ammonium adj fluorides) or bifluorides or (ammonium adj fluorides) or bifluorides)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 11:51
S7	119071	((claimed adj quaternary adj ammonium adj salts adj suitable adj for adj use) or TMAH or (tetramethyl adj ammonium) or (quaternary adj ammonium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:10
S8	70	S2 and S3 and S4 and S5 and S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:31
S9	2	S8 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:27
S10	279	S2 and S3 and S4 and S5 and (semiconductor or photoresist or electronic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/22 12:41

Serial Number:
10689620
Pgpub Number:
0

Keywords:

code;zhou;ling;cleaning
compositions;hydroxylamine;resist;nucleophilic;compound;possessing;reduction;potentials;carbon atom;linkage;alkanolamine;corrosion inhibitors;inhibitors;polar organic;organic solvents;alloy;substrates;layers;micro;circuitry;fabrication;sunnyvale;qiao;jing;fre mont;lee;shihying;

Class list:

510/176;510/175;510/255;134/2;510/499;510/245;134/3;134/1.3;510/264;430/329;

Int Class list:

C11D 007/50;G03C 005/00;C11D 007/32;C11D 003/30;B08B 003/08;H01L 021/306;H01L 021/302;G03F 007/42;C11D 007/26;C11D 003/43;

Special Keywords:

Negative Keywords:

Features:

feature#1(w=800);claimed hydroxylamine derivative;2-Amino-2-Ethoxy Ethanol;N-methyl-hydroxylamine;N,N-dimethyl-hydroxylamine;N-ethyl-hydroxylamine;N,N-diethyl-hydroxylamine;methoxylamine;ethoxylamine;N-methyl-methoxylamine;methyl hydroxylamine;dimethyl hydroxylamine;ethyl hydroxylamine;diethyl hydroxylamine;methoxylamine;ethoxylamine;methyl methoxylamine;methylhydroxylamine;dimethylhydroxylamine;ethylhydroxylamine;diethylhydroxylamine;methoxylamine;ethoxylamine;methylmethoxylamine;
feature#2(w=200);claimed quaternary ammonium salts suitable for use;TMAH;tetramethyl ammonium;quaternary ammonium;
feature#3(w=200);claimed suitable hydrazine compounds;hydrazines;hydrazine derivative;hydrazine;
feature#4(w=200);claimed two-carbon atom linkage alkanolamine compounds;DGA;2-aminoethanol;monoethanolamine;MEA;2-(N-methylamino)-ethanol;monomethyl ethanolamine;MMEA;2-amino-1-propanol;monoisopropanolamine;MIPA;2-(N-hydroxyethyl-amino)-ethanol;diethanolamine;tertiarybutyldiethanolamine;isopropanolamine;diisopropanolamine;2-(2-aminoethoxy)-propanol;1-hydroxy-2-aminobenzene;
feature#5(w=100);polar organic solvent;dimethyl sulfoxide;ethylene glycol;ethylene glycol alkyl ether;diethylene glycol alkyl ether;triethylene glycol alkyl ether;propylene glycol;propylene glycol alkyl ether;N-substituted pyrrolidones;N-methyl-2-pyrrolidone;NMP;sulfolanes;dimethylacetamide;dimethylsulfone;dimethylsulfolane;N,N-dimethylpropanamide;N,N-dimethylformamide;N,N-diethylformamide;diethylene glycol alkyl ether;tripropylene glycol alkyl ether;ethylenediamine;N-substituted ethylenediamines;ethylenetriamine;N-substituted ethylenetriamines;
feature#6(w=300);claimed corrosion inhibitor;EDTA;gallic acid;catechol;
feature#7(w=200);alternative corrosion inhibitors;dihydroxybenzenes;1,2-dihydroxybenzene;1,2-dihydroxy-4-tert-butylbenzene;nitrate salts of ammonium;hydrocarbon-substituted ammonium nitrate salts;benzotriazole;2,4-pentandione dioxime;1,6-dioxaspiro[4,4]nonane 2,7-dione (di-ether);thiourea;ammonium bisulfite;choline bisulfite;bischoline bisulfite;trisocholine bisulfite;choline hydroxide;bischoline hydroxide;trisocholine hydroxide;glycerol;sorbitol;gelatine;starch;phosphoric acid;silicic acid;polyethylene oxide;polyethylene imine;
feature#8(w=200);claimed HF-base salts;ammonium fluoride;diisopropylethylammonium fluoride;ammonium bifluoride;pyridinium fluoride;diisopropylethylammonium

report10689620.txt

fluoride; ammonium fluoride; ammonium fluorides; bifluorides; ammonium
fluorides; bifluorides;

feature#9(w=100); hydroxylamine-free composition;

feature#10(w=100); preferred substrate; semiconductor;

feature#11(w=100); preferred contaminant; Positive-type resists; positive photoresist;

Percent Features:

feature#1: 96%

feature#2: 50%

feature#3: 40%

feature#4: 93%

feature#5: 100%

feature#6: 71%

feature#7: 84%

feature#8: 34%

feature#9: 0%

feature#10: 93%

feature#11: 50%

Best results:

5968848

6068000

6831048

6777380

5798323

6372410

6110881

5905063